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# PATENT ABSTRACTS OF JAPAN

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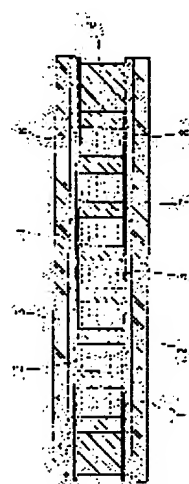
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## (54) ELECTROPHORETIC DISPLAY DEVICE

### (57)Abstract:

**PURPOSE:** To stably maintain the effect of preventing sticking of electrophoretic particles over a long period of time by providing thin film layers consisting of fluoroplastic on the electrode pattern surfaces of an electrode plate.

**CONSTITUTION:** The thin film layers 8 consisting of the fluoroplastic are provided on the electrode pattern surfaces 2, 4 of the electrode plate. Such thin film layers 8 consisting of the fluoroplastic can be formed by chemically and securely bonding said layers to the electrode surfaces by using a fluorosilane coupling agent and the thicknesses thereof are formed □several 100&angst;, more preferably □100&angst; thickness. Such treatment structure on the electrode surfaces can be easily formed on the electrode surfaces stably to the required thickness without being affected by the various sizes of the display region and has the exceptionally high effect of preventing the sticking of the electrophoretic particles. The degradation in the contrast and the unequal display, etc., are adequately prevented by combination use of the treating means and porous spacers for division of the dispersion system. The electrophoretic display device having a long life and good operation stability is thus obtd.



## LEGAL STATUS

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